	-
==	-
	ω
==	-
	_
	Ξ
	W
==	•
〓	A

S&H Form: PTO/SB/05 (2/01)

	U	TIL	IT)	1	
PATE	NT	AP	PL	ICA	TION

Attorney Docket No. 1086.1152

First Named Inventor or Application Identifier: Ritsuko TANAKA, et al.

## **TRANSMITTAL**

(Only for original applications)
APPLICATION ELEMENTS

Express Mail Label No.

ADDRESS TO:

		See MPEP chapter 600 concerning utility patent application contents.	Assistant Commissioner for Patents  Box Patent Application  Washington, DC 20231
	1. 🛛	Fee Transmittal Form	
	2. 🛛	Specification, Claims & Abstract[Total Pages: 73	<u>3 ]</u>
	3. 🛛	Drawing(s) (35 USC 113)[ Total Sheets: 53	5_] [FIGS. <u>1A-33C</u> ]
	4. 🖾	Oath or Declaration	(1))
	5. 🗌	Verified Statement Claiming Small Entity Status	
	6. 🔲	Application Data Sheet. See 37 C.F.R. 1.76	
	7. 🗌	CD-Rom or CD-R in duplicate, large table or Compu	ter Program (Appendix)
	8. 🗆	Nucleotide and/or Amino Acid Sequence Submissio a.  Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or II. paper c. Statement verifying identity of above copies	n (if applicable, all necessary)
L		MPANYING APPLICATION PARTS	to the distillation of the second
١	<b>√</b> 9. ⊠	Assignment (cover sheet & document(s)) to Fujitsu L	
	40 □	for publication of assignee information under 37	
	11.	37 CFR 3.73(b) Statement (when there is an assignee English Translation Document (if applicable)	) Wel di Allomoy
	12. T	Information Disclosure Statement (IDS)/PTO-1449	☐ Copies of IDS Citations
	13. $\square$	Preliminary Amendment	
		*Return Receipt Postcard (MPEP 503) (Should be spec	cifically itemized)
		Certified Copy of Priority Document(s) (if foreign priority	•
	16.	Request and Certification for Nonpublication under 35	
	<del></del>	PTO/SB/35 or its equivalent	



PATENT TRADEMARK OFFICE

18. CORRESPONDENCE ADDRESS

Application Number Filing Date December 5, 2001  AMOUNT ENCLOSED \$ 1152.00 First Named Inventor Ritsuko TANAKA, et al.  FEE CALCULATION (fees effective 10/01/00)  CLAIMS (1) FOR (2) NUMBER (3) NUMBER (4) RATE (5) CALCULATIONS FILED EXTRA  TOTAL CLAIMS 22 - 20 = 2		NEW APPLICATION	N	Attornev [	Docket	No.	1086.1152
Filing Date   Docember 5, 2001							
AMOUNT ENCLOSED \$ 1152.00   First Named Inventor   Ritsuko TANAKA, et al.   FEE CALCULATION (fees effective 10/01/00)  CLAIMS (1) FOR (2) NUMBER (3) NUMBER (4) RATE (5) CALCULATIONS   FILED (EXTRA)   FILED (EXTRA)							
FEE CALCULATION (fees effective 10/01/00)   CLAIMS	AMOUNT	ENCLOSED \$	1152.00			entor	Ritsuko TANAKA, et al.
CLAIMS (1) FOR (2) NUMBER (3) NUMBER EXTRA  TOTAL CLAIMS 22 - 20 = 2			ve 10/01/00)				
INDEPENDENT 7 - 3 = 4 X \$ 336.00  CLAIMS   MULTIPLE DEPENDENT CLAIMS (any number;			(2) NUMBER			(4) RATE	
CLAIMS  MULTIPLE DEPENDENT CLAIMS (any number; # # # # # # # # # # # # # # # # # # #		TOTAL CLAIMS	22 - 20 =	2			1 3
MULTIPLE DEPENDENT CLAIMS (any number;			7 - 3 =	4			
If applicable   \$280.00     BASIC FILING   740.00     FEE   Total of above   \$1112.00     Calculations =     Surcharge for late filing fee, Oath or Declaration (37 CFR   1.53(f)) (\$130.00)     Reduction by 50% for filing by small entity (37 CFR 1.27).     TOTAL FILING   \$1112.00     FEE =   Surcharge for filing non-English language application (\$130.00; 37 CFR 1.52(d))     Recordation of Assignment (\$40.00; 37 CFR 1.21(h))   40.00     TOTAL FEES   \$1152.00     TOTAL FEES   \$1152.00     DUE =   TOTAL FEES DUE   to the Deposit Account No. below.     No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).     GENERAL AUTHORIZATION   If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) te maintain pendency hereof or of any such related applications.   SUBMITTED BY: STAAS & AALSEY LLP			NDENT CLAIMS	(any numb			
Total of above   Calculations =   Surcharge for late filing fee, Oath or Declaration (37 CFR   1.53(f)) (\$130.00)   Reduction by 50% for filing by small entity (37 CFR 1.27).   TOTAL FILING   \$ 1112.00   FEE =   Surcharge for filing non-English language application (\$130.00; 37 CFR 1.52(d))   Recordation of Assignment (\$40.00; 37 CFR 1.21(h))   40.00   TOTAL FEES   \$ 1152.00   DUE =   Surcharge for filing non-English language application (\$130.00; 37 CFR 1.52(d))   Recordation of Assignment (\$40.00; 37 CFR 1.21(h))   40.00   TOTAL FEES   \$ 1152.00   DUE =   Surcharge for filing non-English language application (\$100.00; 37 CFR 1.21(h))   40.00   TOTAL FEES   \$ 1152.00   DUE =   Surcharge for filing non-English language application   Surcharge for filing non-English language application   40.00   TOTAL FEES   \$ 1152.00   DUE =   Surcharge for filing fees in the Deposit Account No.   DUE =   Surcharge for filing fees in the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).   GENERAL AUTHORIZATION   Surcharge for filing filing date).   Surcharge for filing fees in the Deposit Account No.   Surcharge for filing fees in the Deposit Account No.   Deposit Account No.   19-3935   Dep							
Surcharge for late filing fee, Oath or Declaration (37 CFR 1.53(f)) (\$130.00)  Reduction by 50% for filing by small entity (37 CFR 1.27).    TOTAL FILING   FEE =   FOTAL FILING   FOTAL FILING   FEE =   FEE						FILING	
1.53(f)) (\$130.00)   Reduction by 50% for filing by small entity (37 CFR 1.27).   TOTAL FILING   \$ 1112.00     FEE =   Surcharge for filing non-English language application (\$130.00; 37 CFR 1.52(d))     Recordation of Assignment (\$40.00; 37 CFR 1.21(h))   40.00     TOTAL FEES   \$ 1152.00     DUE =   METHOD OF PAYMENT     Check enclosed as payment.     Charge "TOTAL FEES DUE" to the Deposit Account No. below.     No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).   GENERAL AUTHORIZATION     If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:   Deposit Account No.   19-3935     Deposit Account Name   STAAS & HALSEY LLP     The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d))+to maintain pendency hereof or of any such related application.					Calcul	ations =	
Reduction by 50% for filing by small entity (37 CFR 1.27).    TOTAL FILING   \$ 1112.00     FEE =			filing fee, Oath o	r Declaratio	on (37 (	CFR	
Surcharge for filing non-English language application (\$130.00; 37 CFR 1.52(d))  Recordation of Assignment (\$40.00; 37 CFR 1.21(h))  Recordation of Assignment (\$40.00; 37 CFR 1.21(h))  DUE =  METHOD OF PAYMENT  Check enclosed as payment.  Charge "TOTAL FEES DUE" to the Deposit Account No. below.  No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).  GENERAL AUTHORIZATION  If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:  Deposit Account No.  Deposit Account Name  The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.  SUBMITTED BY: STAAS & AUSEY LLP  Typed Name  James D/Nalsey, J.  Signature  Date  December 5, 2001	TV AND	Reduction by 50%	for filing by sma	ll entity (37	CFR 1	.27).	
(\$130.00; 37 CFR 1.52(d))  Recordation of Assignment (\$40.00; 37 CFR 1.21(h))  RETHOD OF PAYMENT  □ Check enclosed as payment. □ Charge "TOTAL FEES DUE" to the Deposit Account No. below.  No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).  GENERAL AUTHORIZATION  □ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:  □ Deposit Account No. □ Deposit Account Name  □ STAAS & HALSEY LLP  □ The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related applications.  SUBMITTED BY: STAAS & AYLSEY/LLP  Typed Name □ James D/Nalsey, J. Reg. No. 22,729  Signature □ Date □ December 5, 2001			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		TOTA	L FILING	G \$ 1112.00
Recordation of Assignment (\$40.00; 37 CFR 1.21(h)) 40.00    METHOD OF PAYMENT				nguage app	lication	1	
METHOD OF PAYMENT  □ Check enclosed as payment. □ Charge "TOTAL FEES DUE" to the Deposit Account No. below. No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).  □ GENERAL AUTHORIZATION □ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to: □ Deposit Account No. □ Deposit Account Name □ The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.  SUBMITTED BY: STA/AS & ALLSEY LLP  Typed Name James D/Nalsey, J. Reg. No. 22,729  Signature Date December 5, 2001		Recordation of As	signment (\$40.00	); 37 CFR 1	I.21(h))	)	
Check enclosed as payment.  Charge "TOTAL FEES DUE" to the Deposit Account No. below.  No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).  GENERAL AUTHORIZATION  If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:  Deposit Account No.  Deposit Account Name  STAAS & HALSEY LLP  The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.  SUBMITTED BY: STAAS & AALSEY LLP  Typed Name  James D/Nalsey, J.  Reg. No. 22,729  Signature  Date  December 5, 2001	*	TOTAL FEES   \$ 1152.00					
Charge "TOTAL FEES DUE" to the Deposit Account No. below.  No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).  GENERAL AUTHORIZATION  If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:  Deposit Account No.  Deposit Account Name  The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.  SUBMITTED BY: STAAS & ARLSEY/LLP  Typed Name  James D/Halsey, Jr.  Reg. No. 22,729  Signature  Date  December 5, 2001	METHOD	OF PAYMENT					
No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).  GENERAL AUTHORIZATION  If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:  Deposit Account No.  Deposit Account Name  STAAS & HALSEY LLP  The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.  SUBMITTED BY: STAAS & AYLSEY/LLP  Typed Name  James D/ Nalsey, J.  Reg. No. 22,729  Signature  Date  December 5, 2001	☐ Che	eck enclosed as paymer	nt.				
(unless specifically required to obtain a filing date).  GENERAL AUTHORIZATION  If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:  Deposit Account No.  Deposit Account Name  STAAS & HALSEY LLP  The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.  SUBMITTED BY: STAAS & HALSEY LLP  Typed Name  James D Nalsey, Jf.  Reg. No. 22,729  Signature  Date  December 5, 2001							
GENERAL AUTHORIZATION  If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:  Deposit Account No.  Deposit Account Name  STAAS & HALSEY LLP  The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.  SUBMITTED BY: STAAS & AALSEY LLP  Typed Name  James D Malsey, Jr.  Reg. No. 22,729  Signature  Date  December 5, 2001	□ No	payment is enclosed an less specifically required	d no charges to to to obtain a filing	the Deposit g date).	Accou	nt are a	uthorized at this time
authorized to credit any overpayment or charge any additional fees necessary to:  Deposit Account No.  Deposit Account Name  STAAS & HALSEY LLP  The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filling fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.  SUBMITTED BY: STAAS & AALSEY LLP  Typed Name  James D/Nalsey, J.  Signature  Date  December 5, 2001	GENERA	L AUTHORIZATION					
Deposit Account Name  STAAS & HALSEY LLP  The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.  SUBMITTED BY: STAAS & HALSEY/LLP  Typed Name James D/Nalsey, J. Reg. No. 22,729  Signature Date December 5, 2001	⊠ If t au	If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby					
The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.  SUBMITTED BY: STAAS & AALSEY/LLP  Typed Name James D/Nalsey, J. Reg. No. 22,729  Signature Date December 5, 2001	*	Deposit Account No	o. 19-3935				
required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.  SUBMITTED BY: STAAS & MALSEY/LLP  Typed Name		Deposit Account Na	ame STAAS 8	& HALSEY	LLP		
Typed Name James D/Nalsey, Jr. Reg. No. 22,729  Signature Date December 5, 2001	required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.						
Signature Date December 5, 2001							1 00 700
Origination ( ) / / / / /	Typed Na	ame Jamés D/Naise	¥, Jf.			Reg. N	o. 22,729
	Olgitatare   1 / 1 / 1						